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Application No. 09/941,151
Amendment dated June 2, 2004
Reply to Office Action of February 24, 2004

Amendments to the Drawings:

The attached sheets of drawings includes Figs. 1-9C. The Examiner has objected to the color drawings, which include screen prints of computer displays. A full set of non-color replacement drawings are being submitted to overcome this objection.

Attachment: 23 Replacement Sheets (full set of drawings)

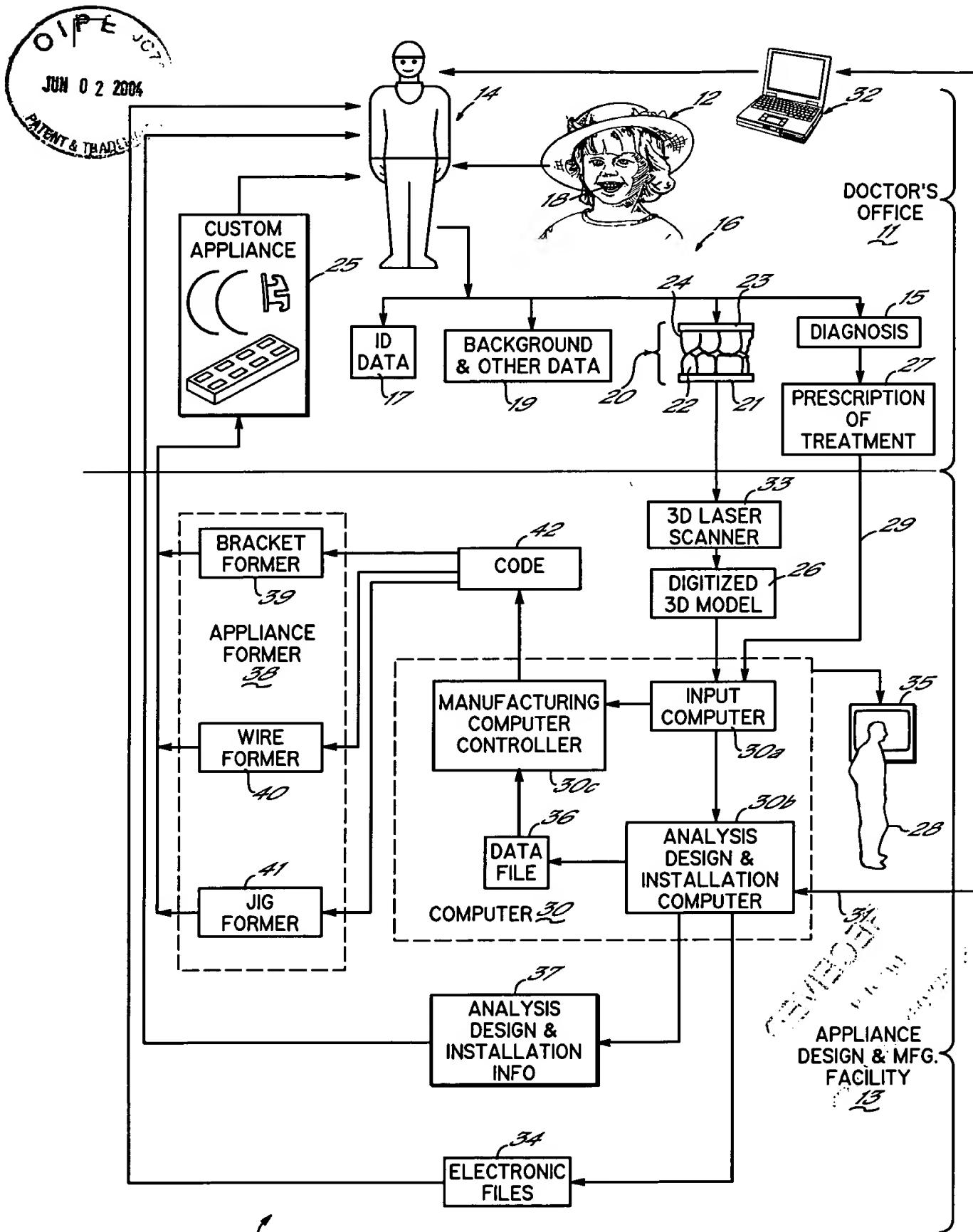


FIG. 1

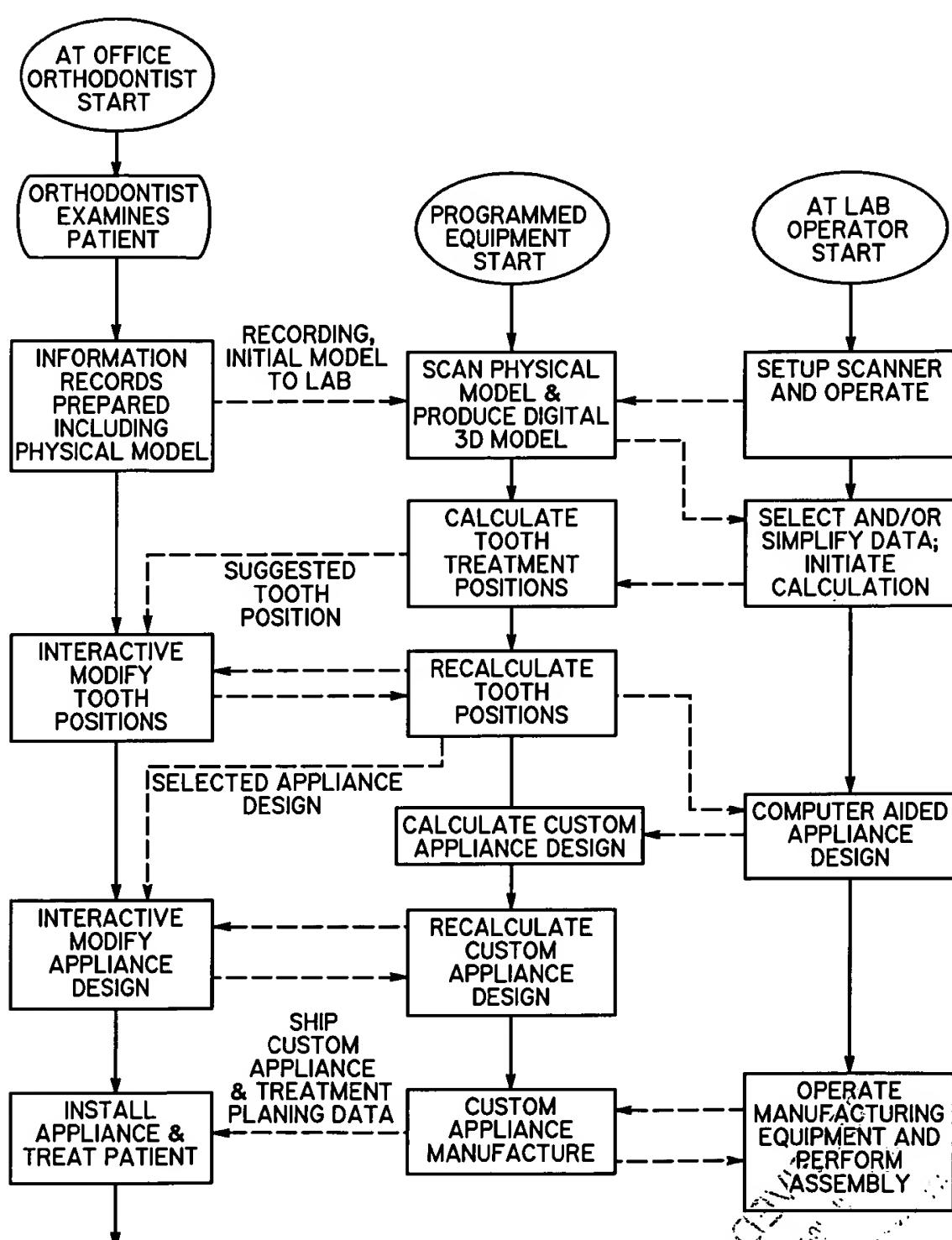


FIG. 2

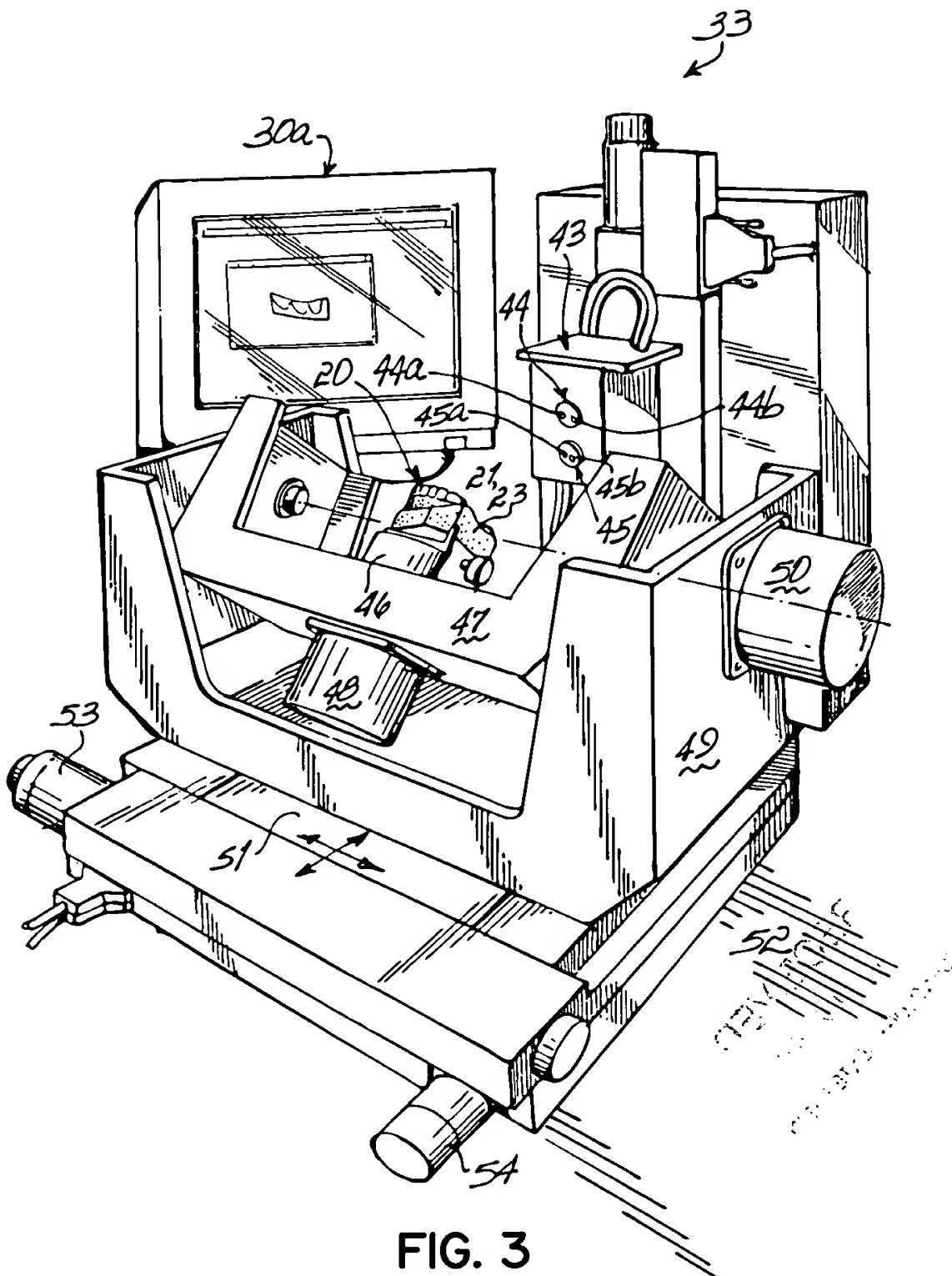


FIG. 3

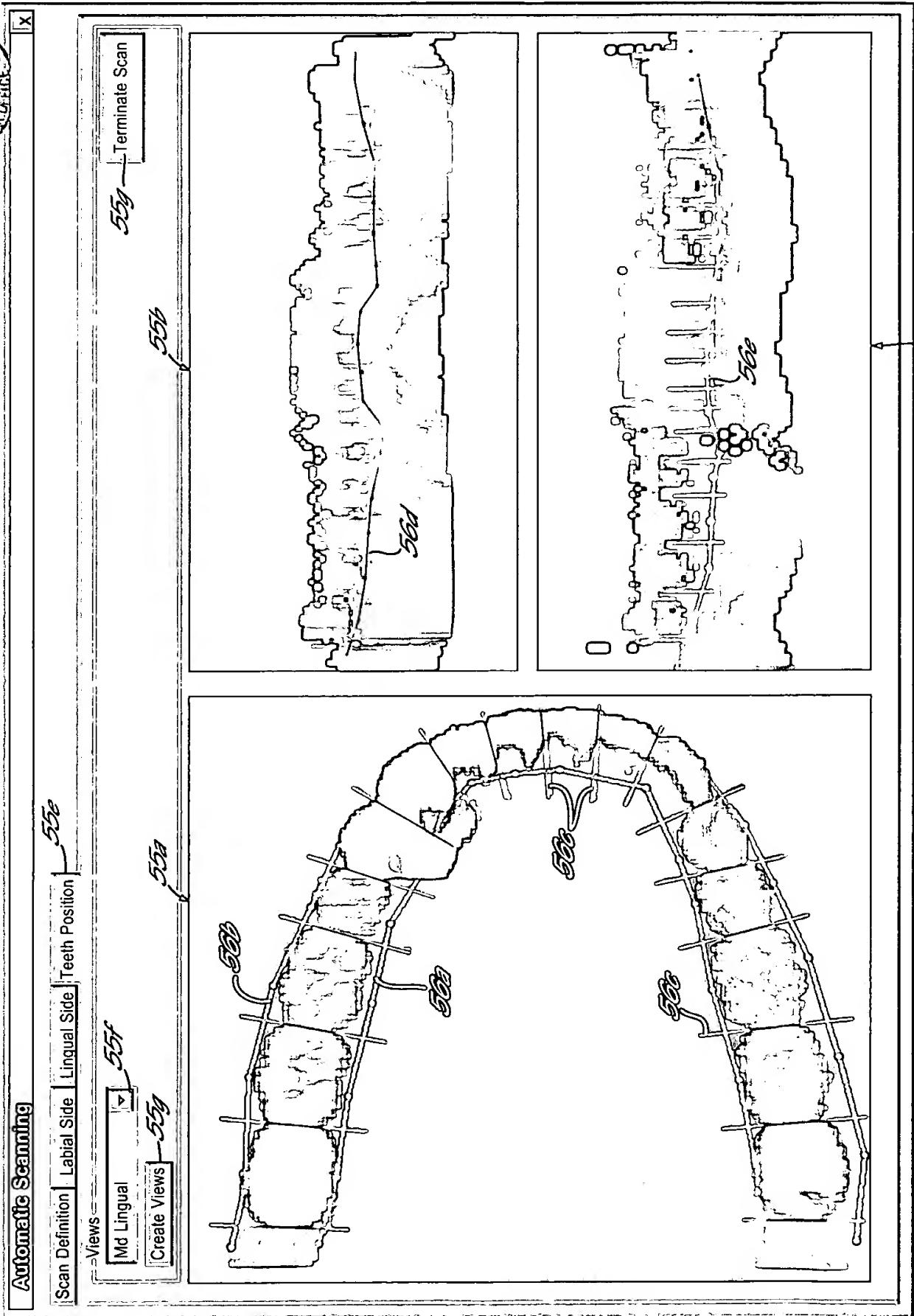
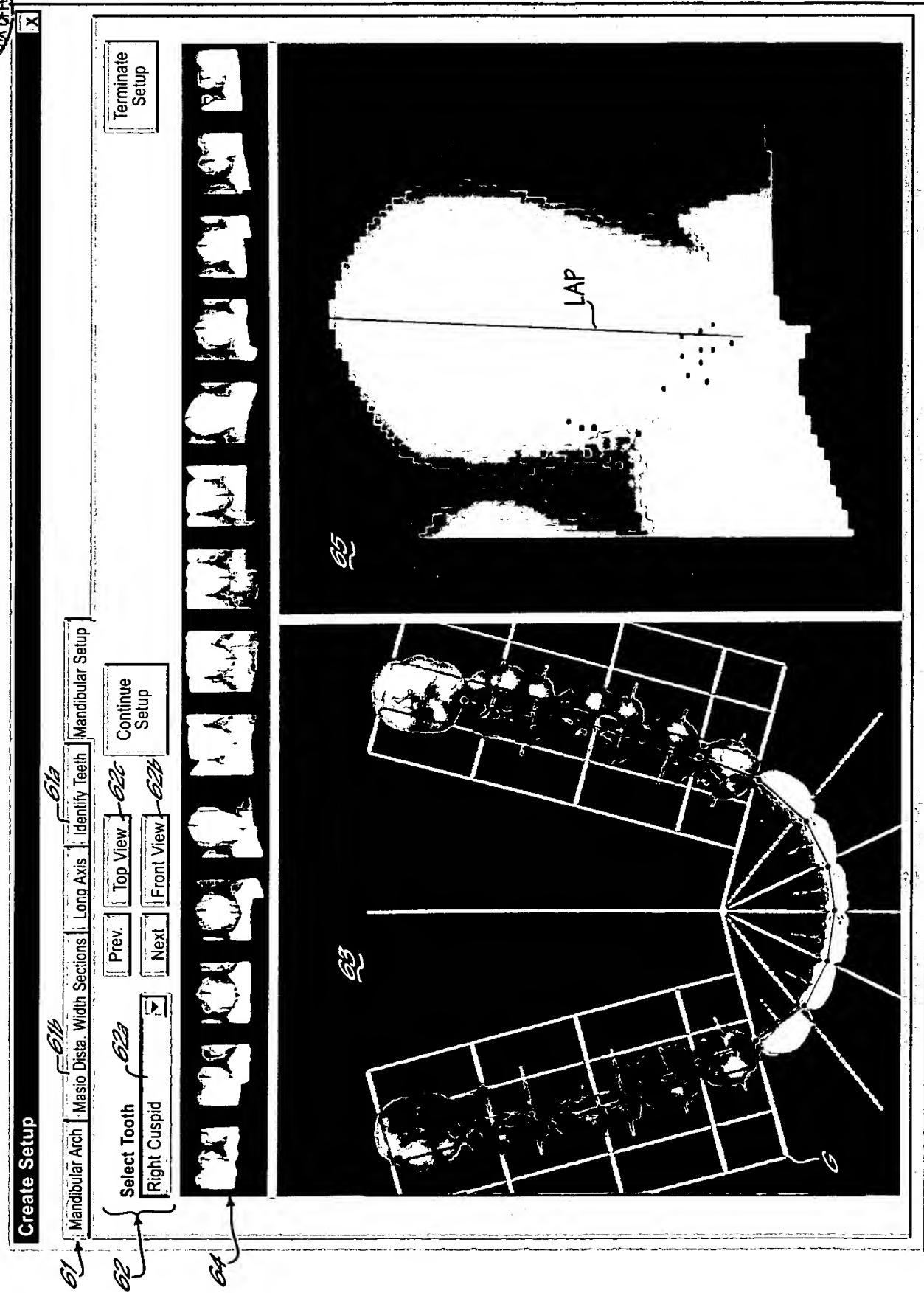
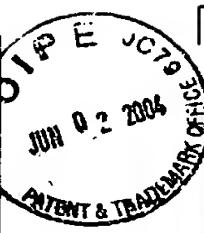


FIG. 3A



FIG. 3B



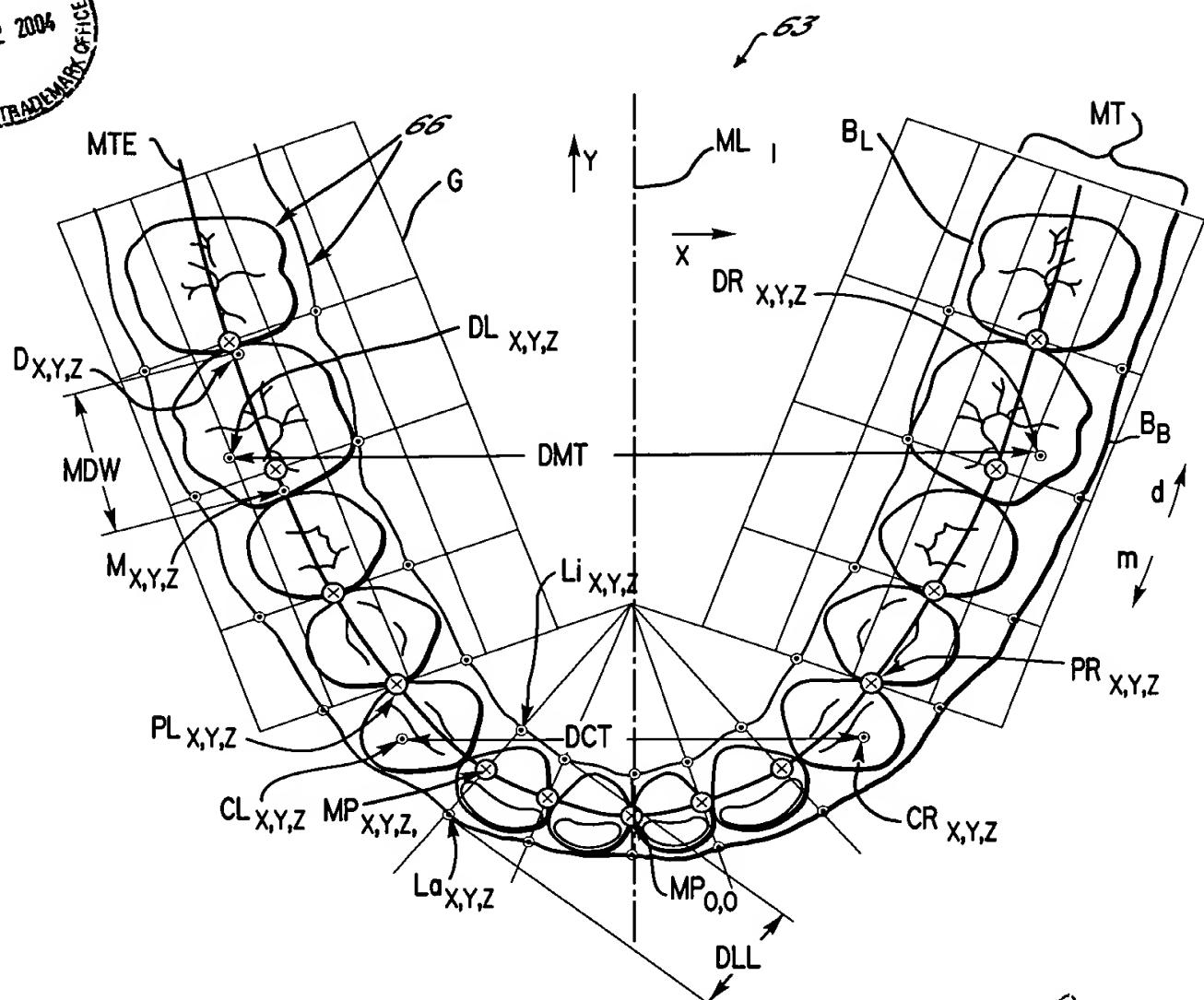


FIG. 4A



FIG. 4B



CUSTOM ORTHODONTIC APPLIANCE FORMING METHOD AND APPARATUS
SERIAL NO.09/941,151; Atty Dkt: ORM-156CI; Sheet 9 of 23

Create Setup Mandibular Arch Masio Dista. Sections Long Axis Identify Teeth Mandibular Setup

 Terminate Setup

Select Axis for
Right Lateral

FIG. 4C

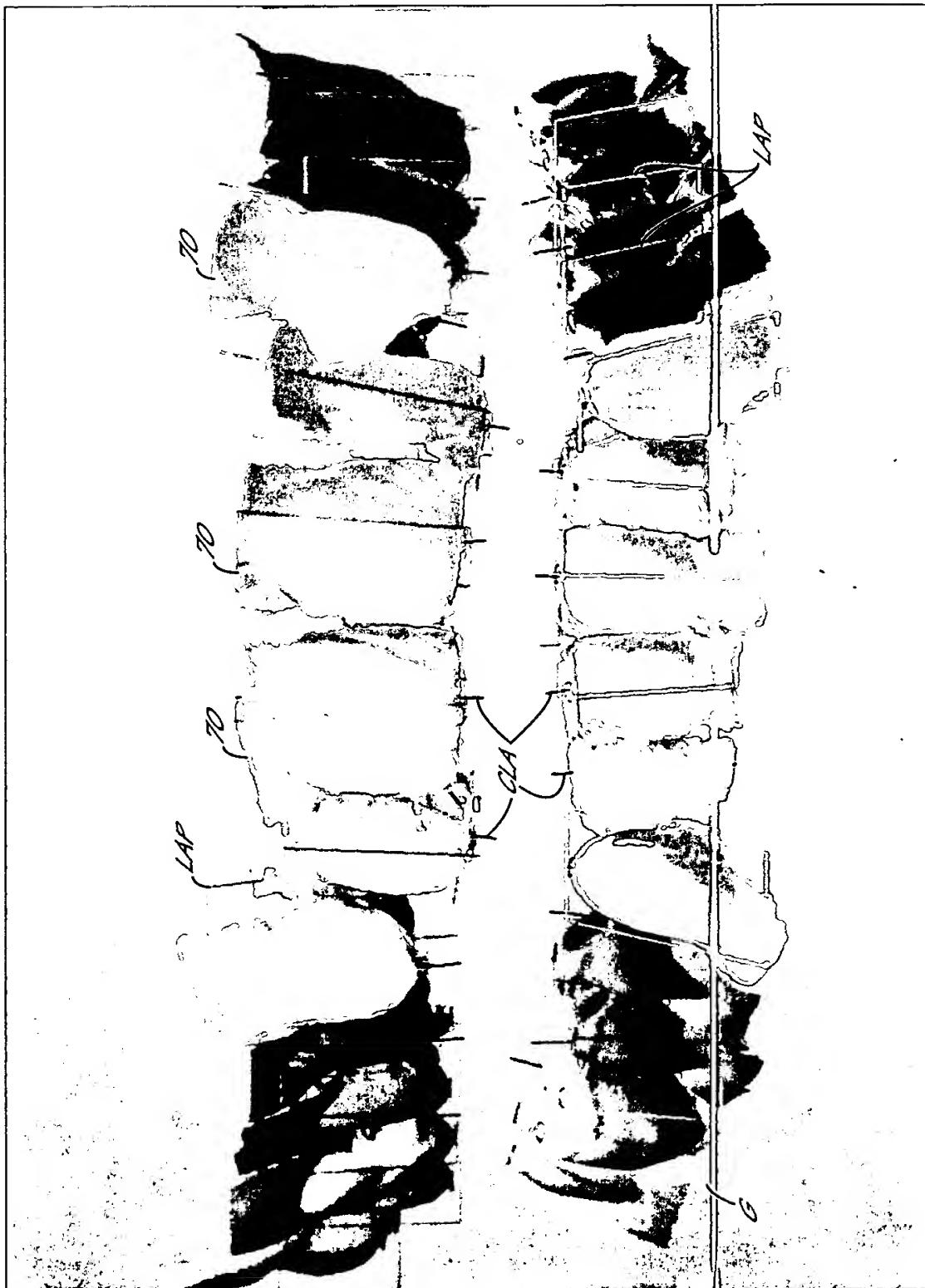


FIG. 5



Configuration

| | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--------------|----|----|----|----|-----|-----|-----|-----|-----|-----|----|----|----|----|
| Setup | 94 | 94 | 94 | 94 | 108 | 112 | 117 | 117 | 112 | 108 | 94 | 94 | 94 | 94 |
| Md Section | 82 | 88 | 80 | 83 | 100 | 104 | 107 | 107 | 104 | 100 | 83 | 80 | 80 | 75 |
| Md Long Axis | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

Mandibular Arch **Md Identity Teeth** **Md Landmarks** **Md Section** **Md Long Axis**

Maxillary Arch **Mx Identity Teeth** **Mx Landmarks** **Mx Section** **Mx Long Axis**

Setup

Standard

Terminate

Setup

23

25

Maxillary

Mandibular

Rot (MD) **Set Height** **Torque** **Tip** **Sym. Width**

Calculate Setup

FIG. 5A

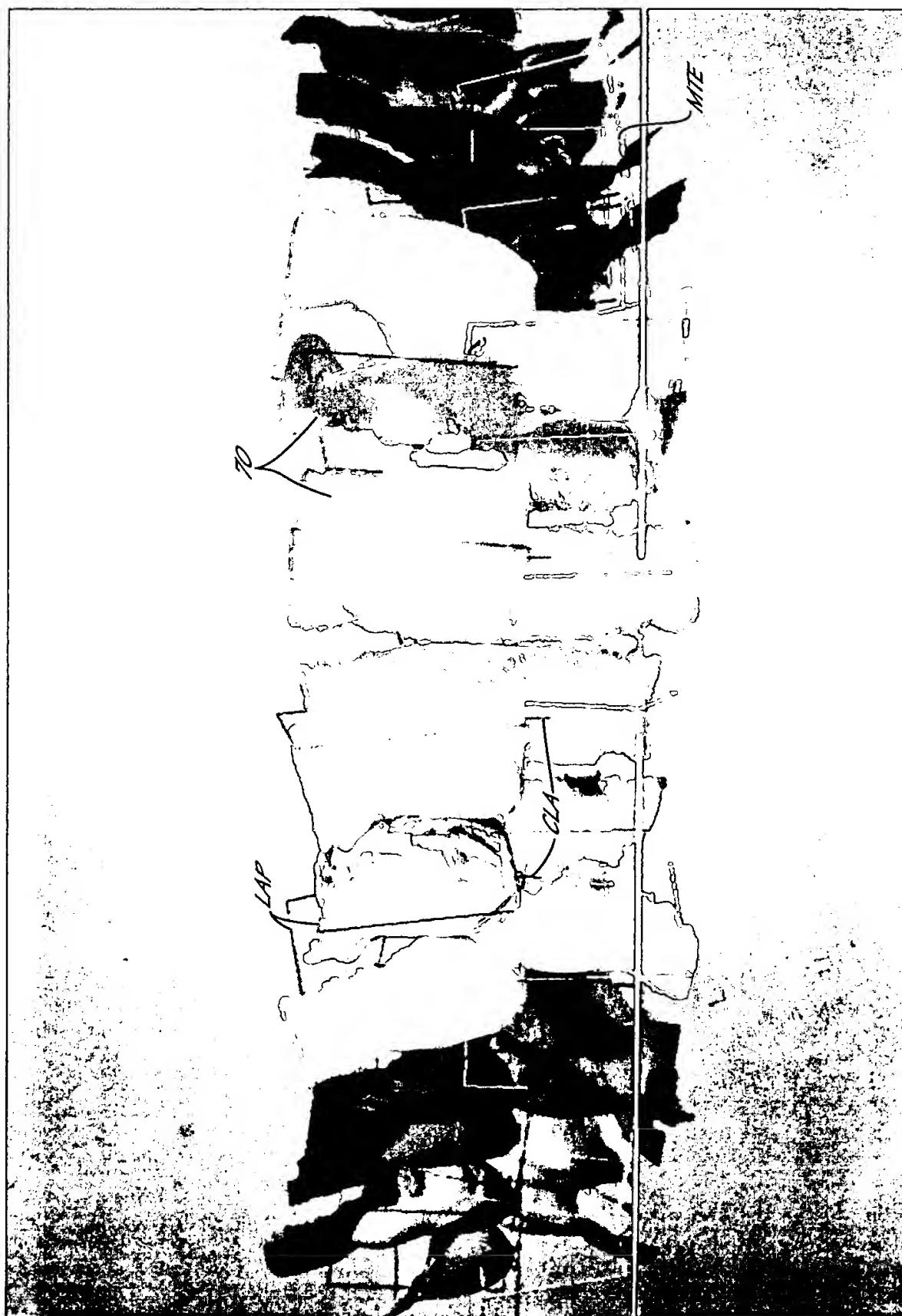


FIG. 5B



Configuration

Mandibular Arch

Md Section

Md Long Axis

Md Identify Teeth

Md Landmarks

Mx Section

Mx Long Axis

Mx Identify Teeth

Mx Landmarks

Standard

Terminate Setup

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----------|------|-----|-----|-----|----|---|---|
| Torque | 13.8 | 8.1 | 3.0 | 3.5 | 10 | 9 | 5 |
| Tip | 0.1 | 6.8 | 3 | 3 | 6 | 4 | 2 |
| Rotation | 13 | 6 | 5 | 4 | 3 | 2 | 1 |

Maxillary

Rot (MD) Set Height Torque Tip Sym. Width

13

12

11

10

9

8

7

6

5

4

3

2

1

50

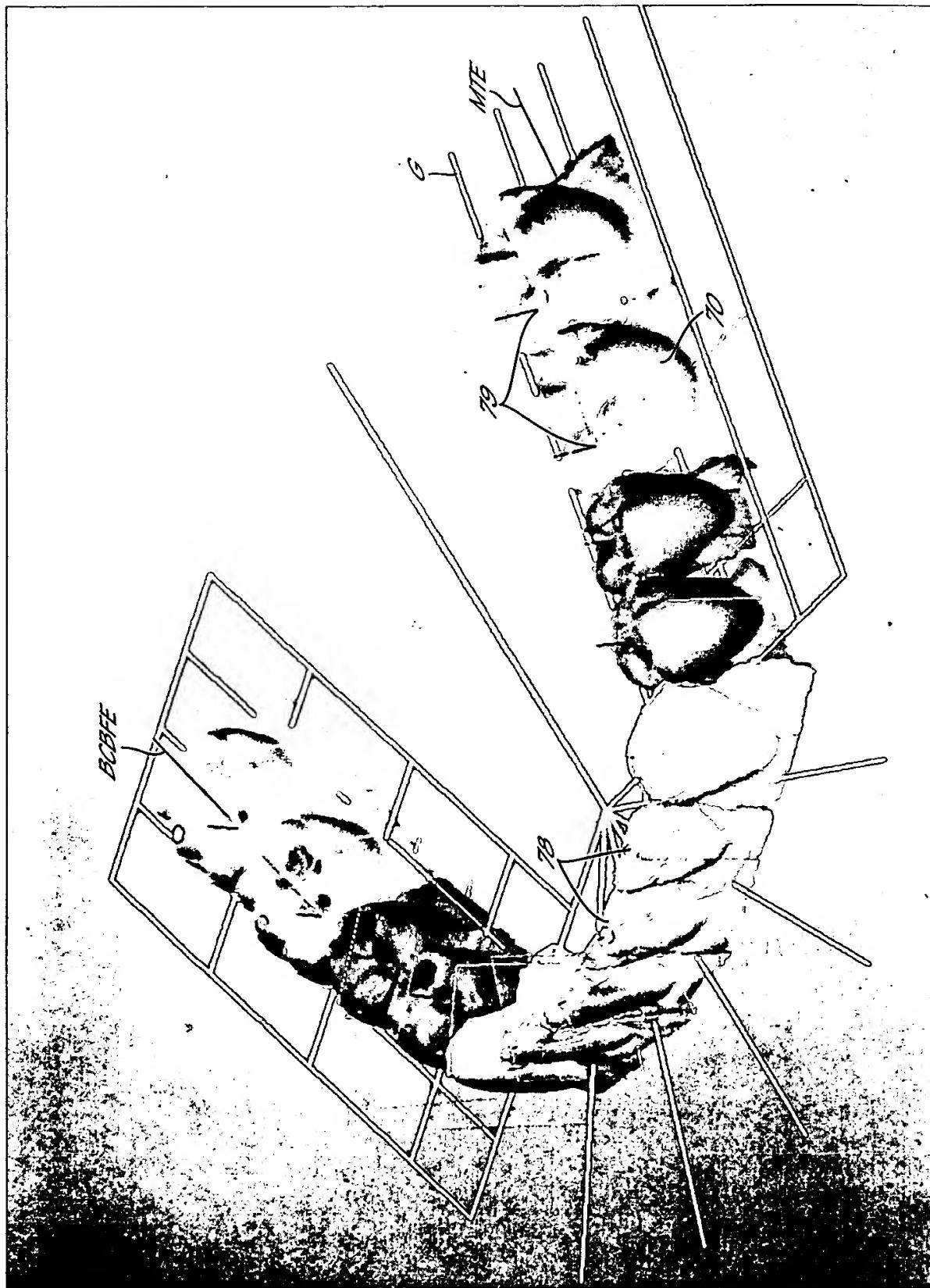


FIG. 5D

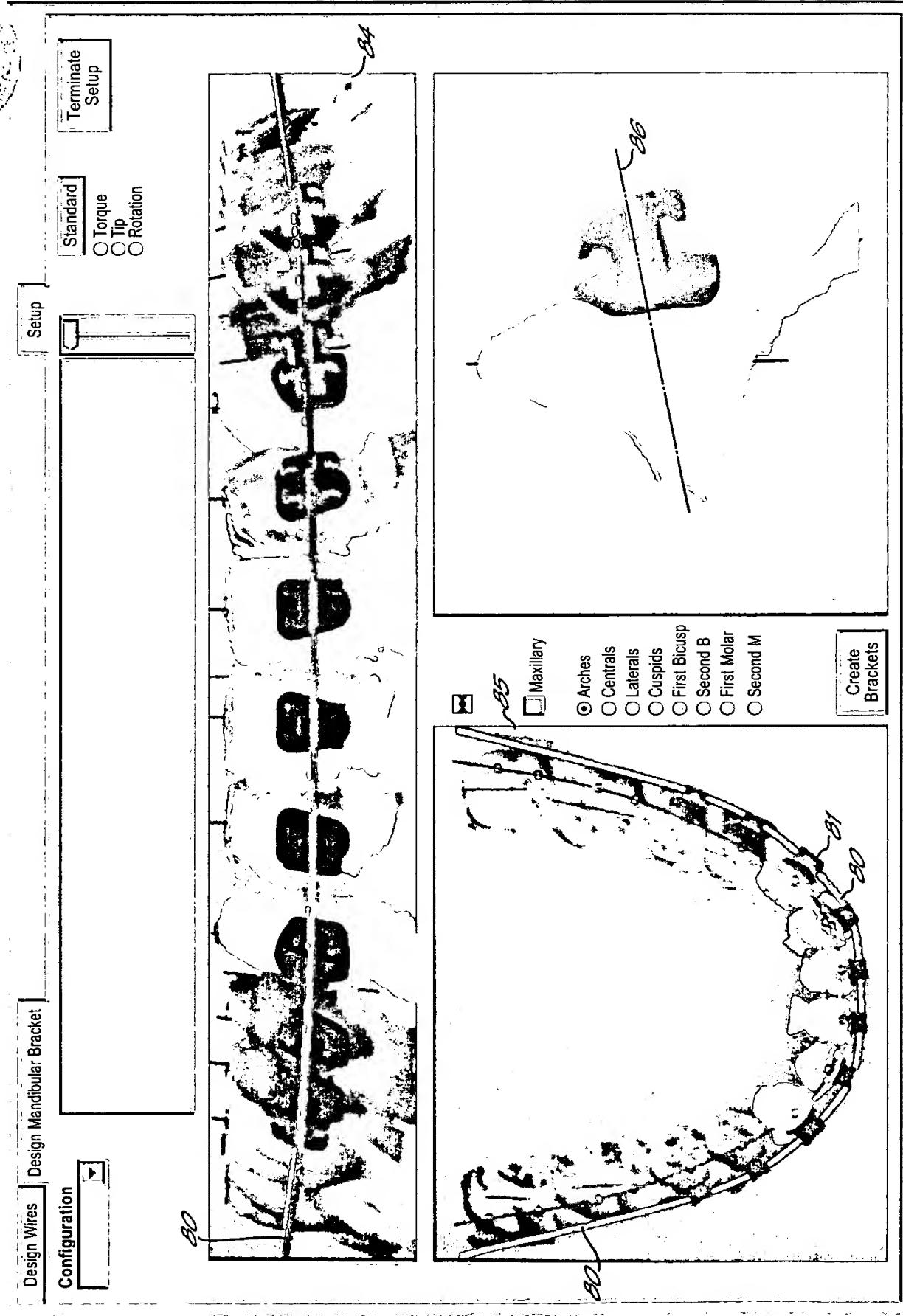


FIG. 5E

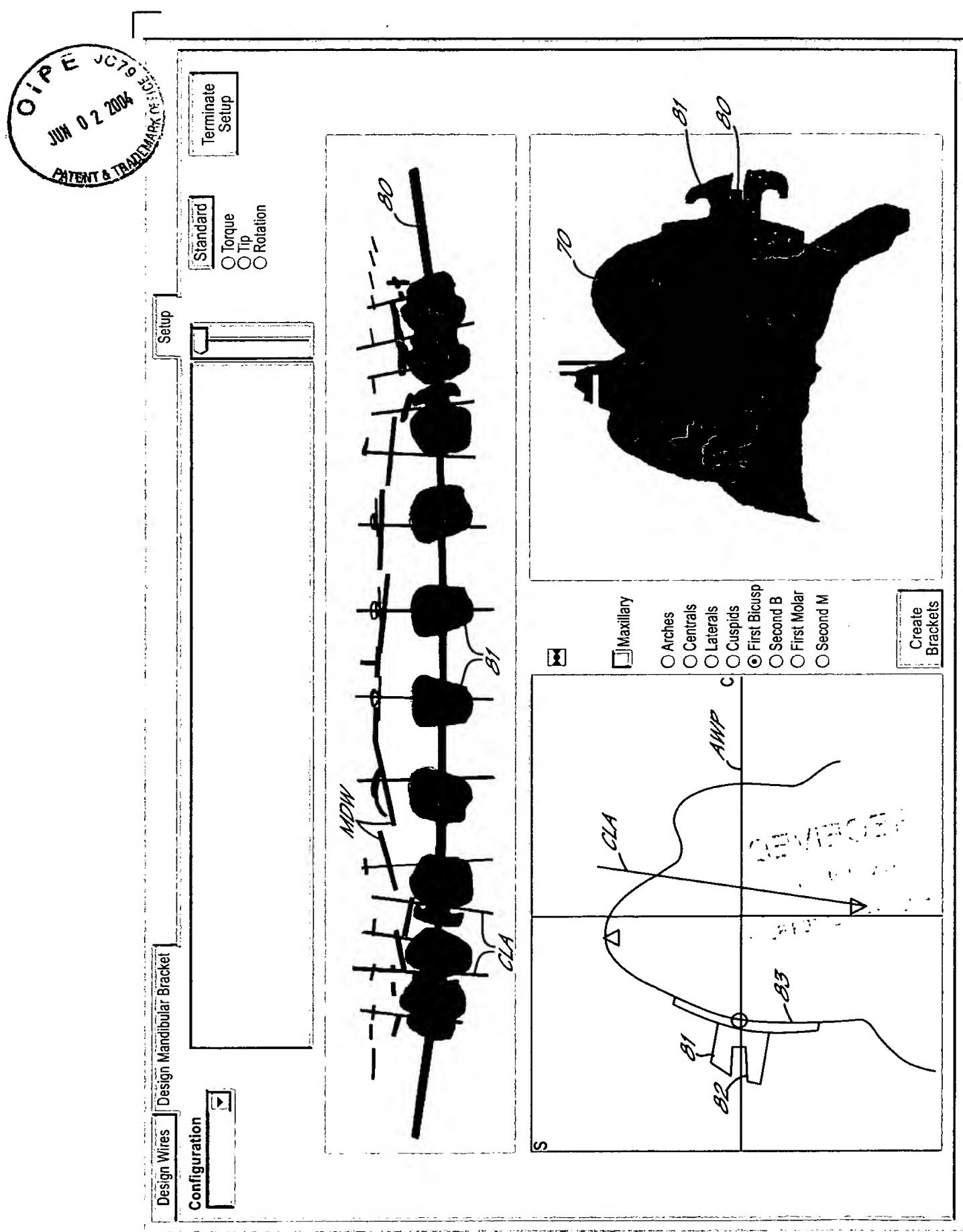


FIG. 5F

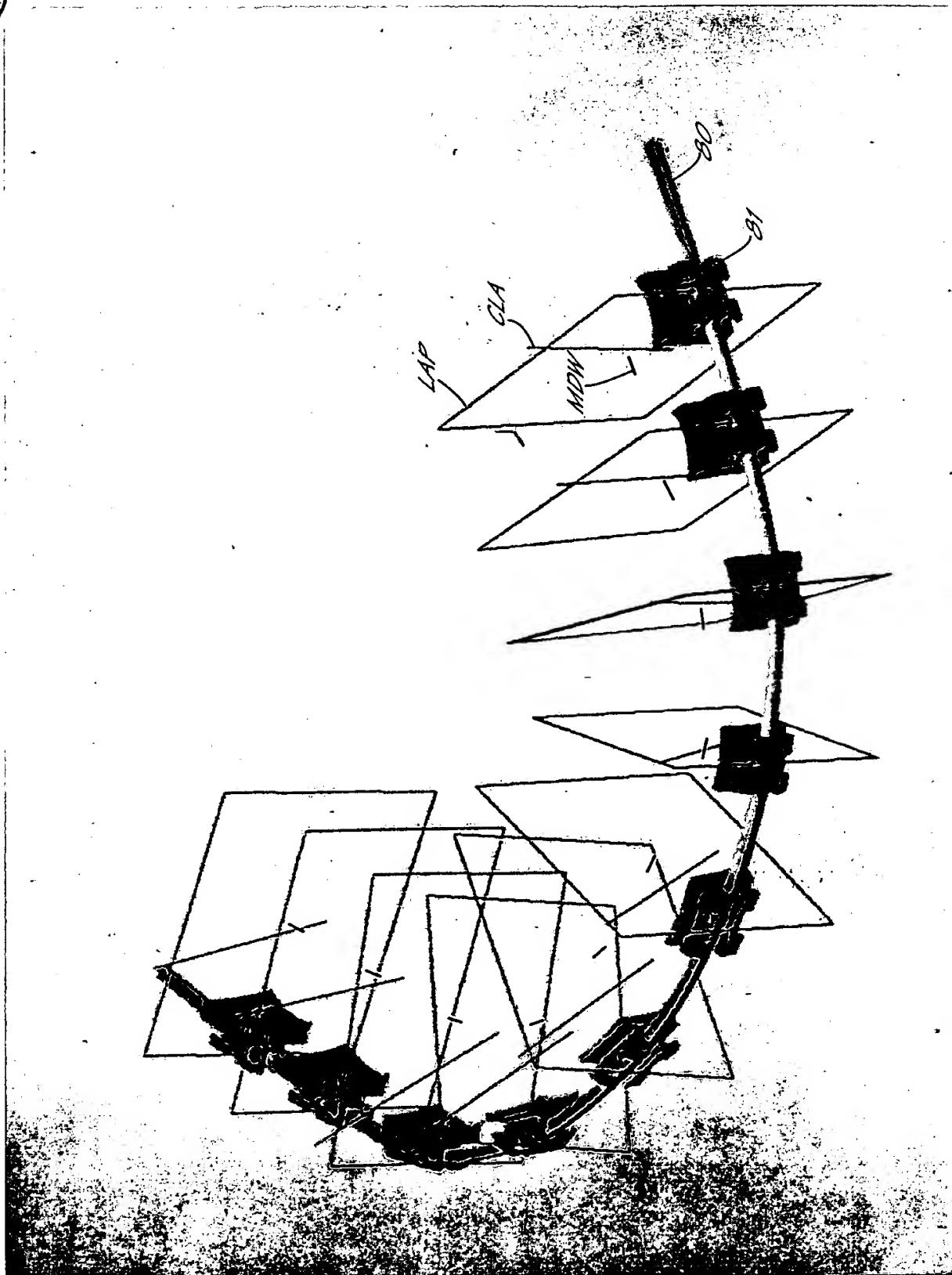


FIG. 5G

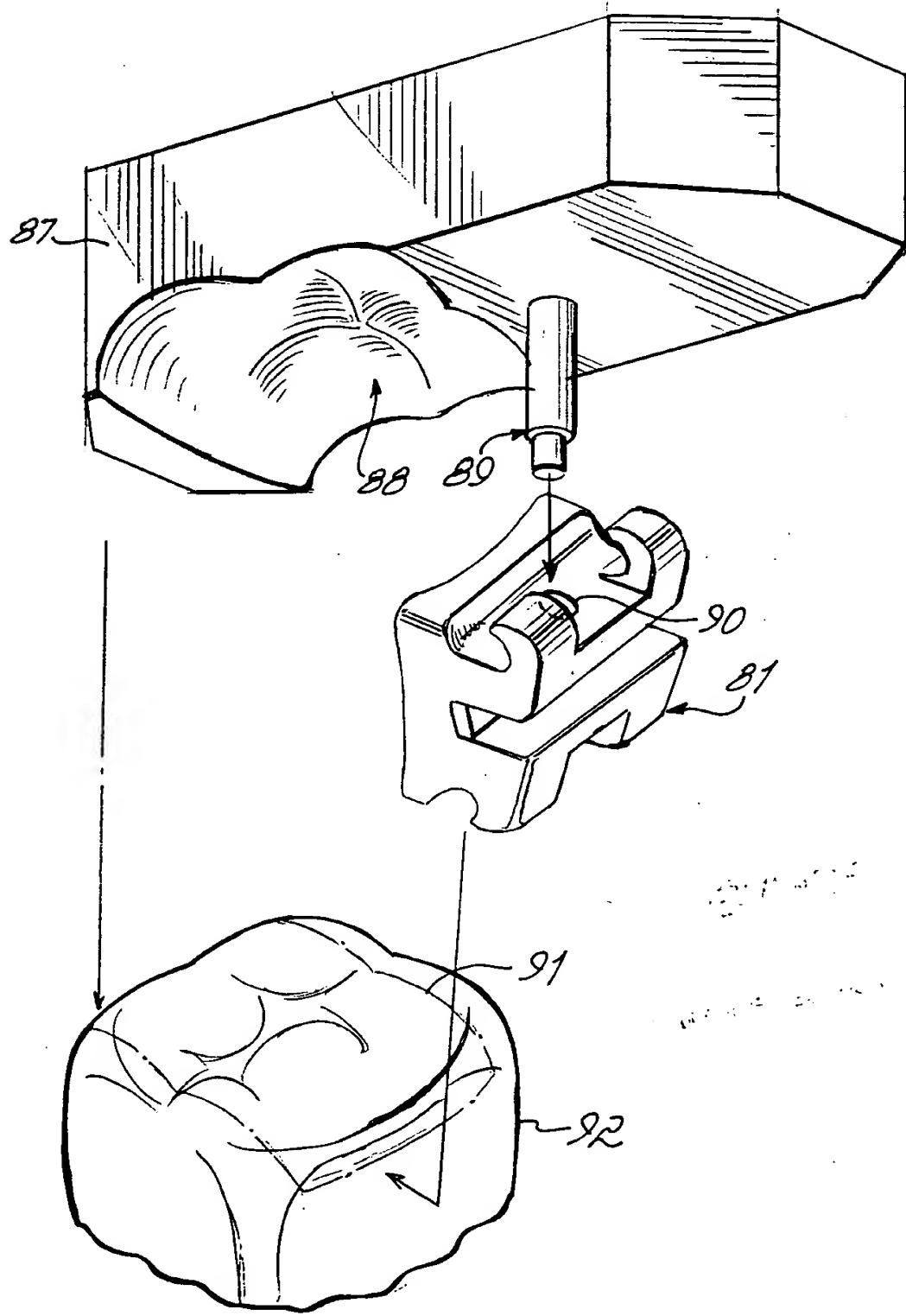


FIG. 6

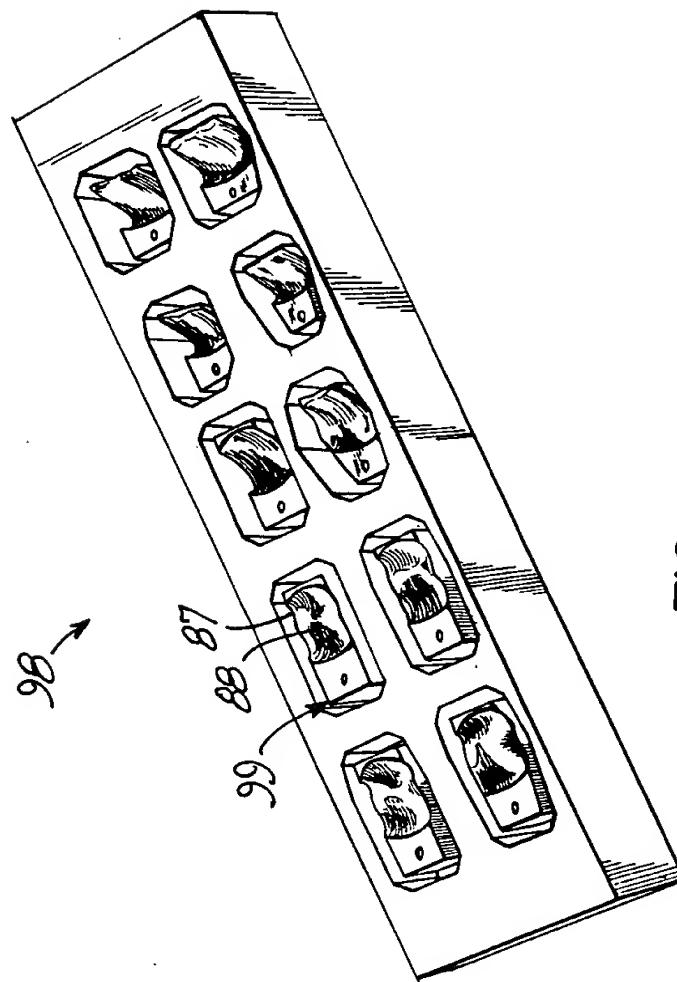
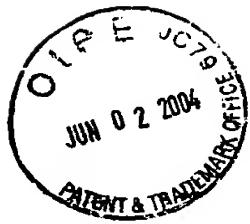


FIG. 6A

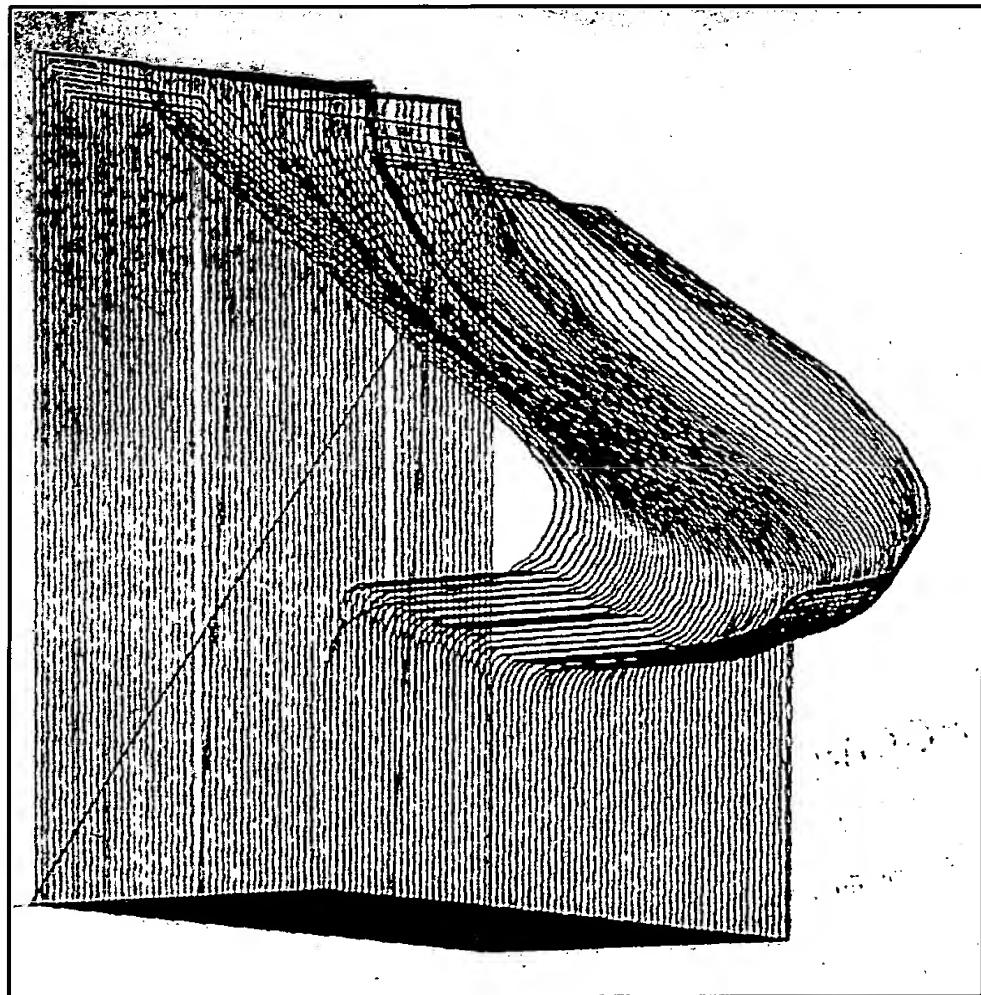


FIG. 6B

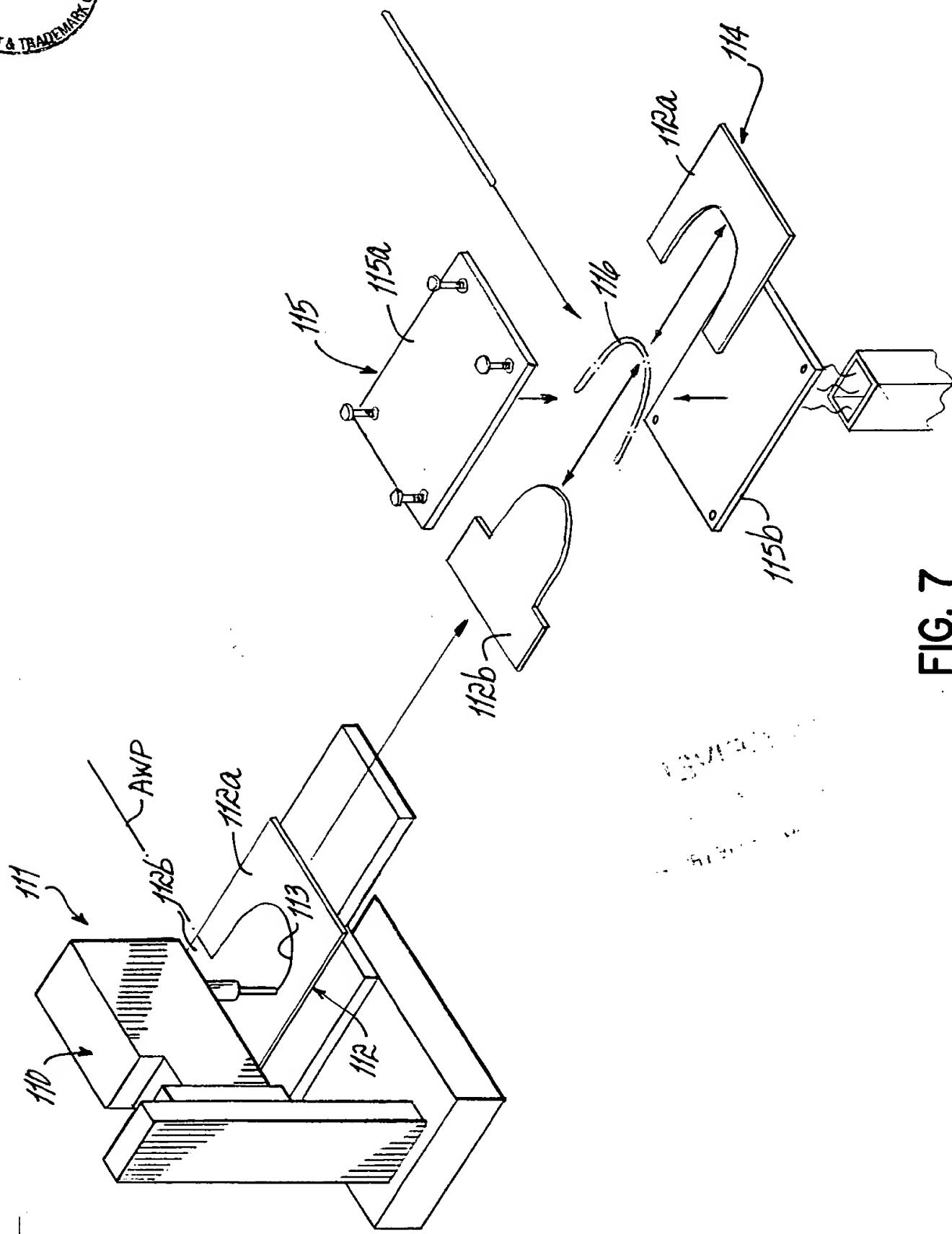


FIG. 7

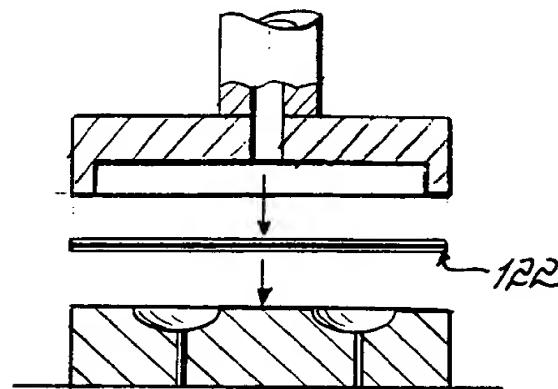


FIG.8A

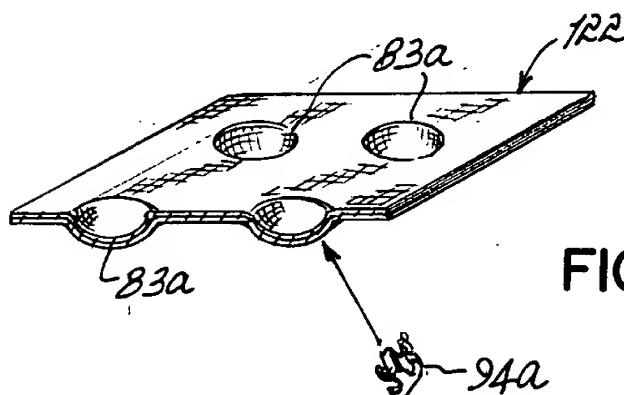


FIG.8B

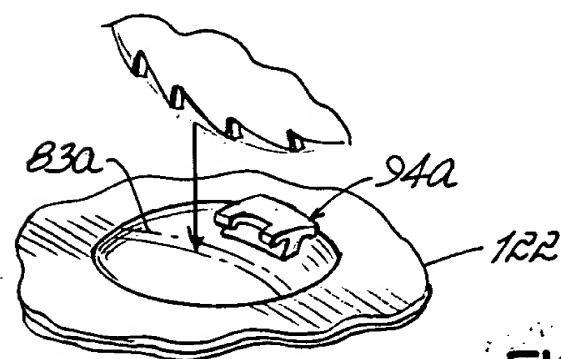


FIG.8C

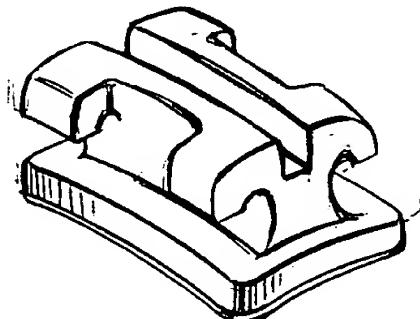


FIG.8D

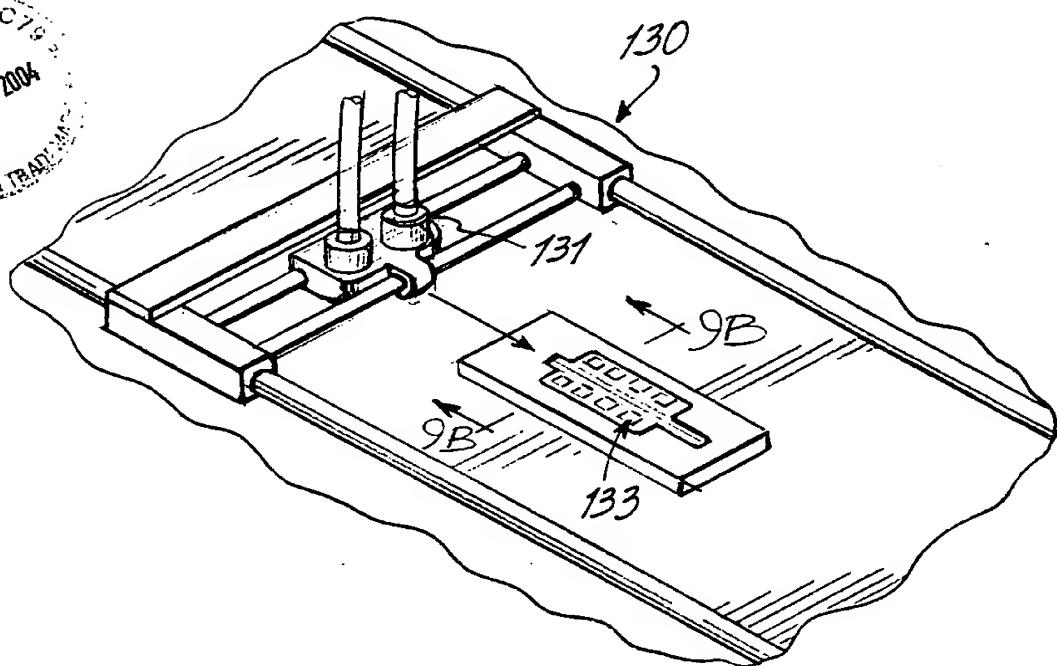


FIG.9A

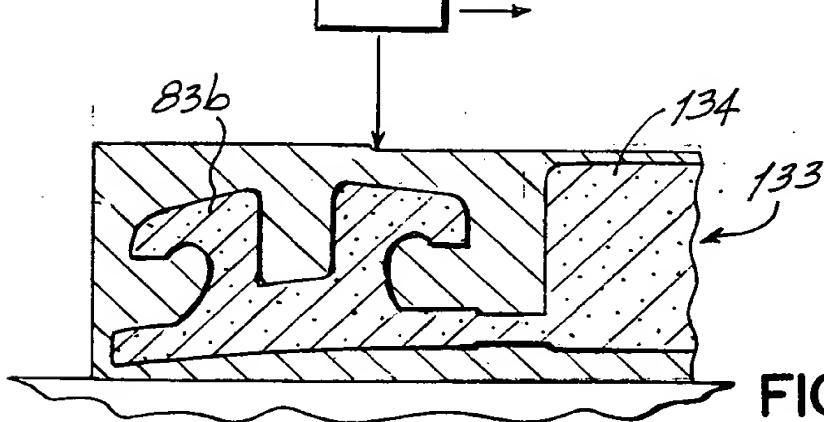


FIG.9B

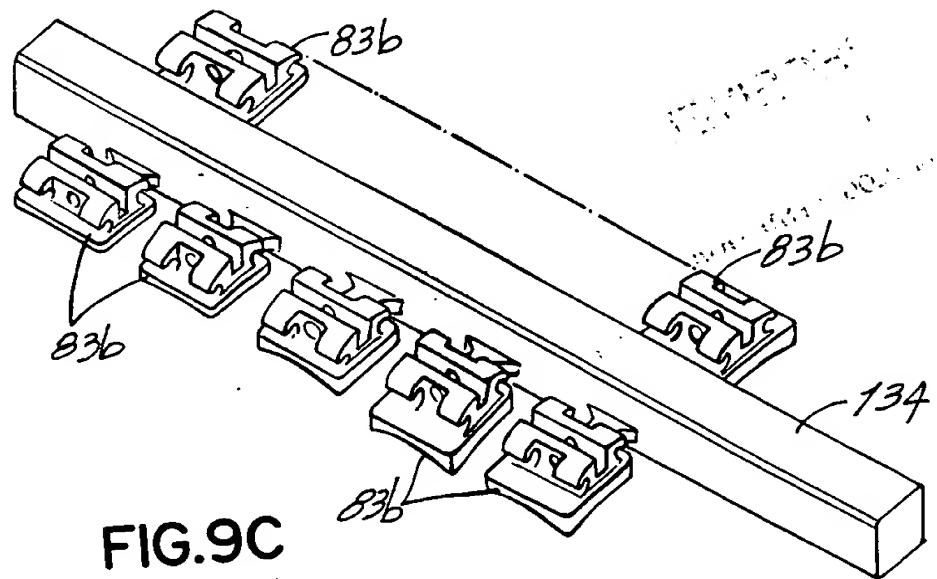


FIG.9C